

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/784,950A

Source: FW/6

Date Processed by STIC: 6/8/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 06/08/2005

PATENT APPLICATION: US/09/784,950A

TIME: 15:13:52

Input Set : A:\Abxcblcd.app

Output Set: N:\CRF4\06082005\I784950A.raw

3 <110> APPLICANT: DAVIS, C. GEOFFREY
 4 BLACHER, RUSSELL W.
 5 CORVALAN, JOSE R.
 6 CULWELL, ALAN R.
 7 GREEN, LARRY L.
 8 HALES, JOANNE
 9 HAVRILLA, NANCY
 10 IVANOV, VLADIMIR E.
 11 LIPANI, JOHN A.
 12 LIU, QIANG
 13 WEBER, RICHARD F.
 14 YANG, XIAO-DONG
 16 <120> TITLE OF INVENTION: CD147 BINDING MOLECULES AS THERAPEUTICS
 18 <130> FILE REFERENCE: ABX-CBL/CD147 CON
 20 <140> CURRENT APPLICATION NUMBER: 09/784,950A
 21 <141> CURRENT FILING DATE: 2001-02-15
 23 <150> PRIOR APPLICATION NUMBER: PCT/US99/04583
 24 <151> PRIOR FILING DATE: 1999-03-03
 26 <150> PRIOR APPLICATION NUMBER: 09/244,253
 27 <151> PRIOR FILING DATE: 1999-02-03
 29 <150> PRIOR APPLICATION NUMBER: 09/034,607
 30 <151> PRIOR FILING DATE: 1998-03-03
 32 <160> NUMBER OF SEQ ID NOS: 107
 34 <170> SOFTWARE: PatentIn Ver. 3.3
 36 <210> SEQ ID NO: 1
 37 <211> LENGTH: 8
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Homo sapiens
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 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 7
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Homo sapiens
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 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 7
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Homo sapiens
 61 <400> SEQUENCE: 3

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Input Set : A:\Abxcblcd.app

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69 <213> ORGANISM: Homo sapiens
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89 <213> ORGANISM: Homo sapiens
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93   1           5
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97 <211> LENGTH: 12
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
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107 <211> LENGTH: 12
108 <212> TYPE: PRT
109 <213> ORGANISM: Homo sapiens
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129 <213> ORGANISM: Homo sapiens
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Input Set : A:\Abxcblcd.app

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132 Tyr Asp Leu Pro Met Arg Ser Arg Ser Tyr Pro Gly

133 1 5 10

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137 <211> LENGTH: 4

138 <212> TYPE: PRT

139 <213> ORGANISM: Homo sapiens

141 <220> FEATURE:

142 <221> NAME/KEY: MOD_RES

143 <222> LOCATION: (2)

144 <223> OTHER INFORMATION: Variable amino acid

146 <400> SEQUENCE: 11

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148 1

151 <210> SEQ ID NO: 12

152 <211> LENGTH: 15

153 <212> TYPE: PRT

154 <213> ORGANISM: Homo sapiens

156 <400> SEQUENCE: 12

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162 <211> LENGTH: 5

163 <212> TYPE: PRT

164 <213> ORGANISM: Homo sapiens

166 <220> FEATURE:

167 <221> NAME/KEY: MOD_RES

168 <222> LOCATION: (2)

169 <223> OTHER INFORMATION: Variable amino acid

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179 <213> ORGANISM: Homo sapiens

181 <400> SEQUENCE: 14

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188 Leu Gly Ser Lys Ile Leu Leu Thr Cys Ser Leu Asn Asp Ser Ala Thr

189 35 40 45

191 Glu Val Thr Gly His Arg Trp Leu Lys Gly Gly Val Val Leu Lys Glu

192 50 55 60

194 Asp Ala Leu Pro Gly Gln Lys Thr Glu Phe Lys Val Asp Ser Asp Asp

195 65 70 75 80

197 Gln Trp Gly Glu Tyr Ser Cys Val Phe Leu Pro Glu Pro Met Gly Thr

198 85 90 95

200 Ala Asn Ile Gln Leu His Gly Pro Pro Arg Val Lys Ala Val Lys Ser

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Input Set : A:\Abxcblcd.app

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203 Ser Glu His Ile Asn Glu Gly Glu Thr Ala Met Leu Val Cys Lys Ser
204          115          120          125
206 Glu Ser Val Pro Pro Val Thr Asp Trp Ala Trp Tyr Lys Ile Thr Asp
207          130          135          140
209 Ser Glu Asp Lys Ala Leu Met Asn Gly Ser Glu Ser Arg Phe Phe Val
210 145          150          155          160
212 Ser Ser Ser Gln Gly Arg Ser Glu Leu His Ile Glu Asn Leu Asn Met
213          165          170          175
215 Glu Ala Asp Pro Gly Gln Tyr Arg Cys Asn Gly Thr Ser Ser Lys Gly
216          180          185          190
218 Ser Asp Gln Ala Ile Ile Thr Leu Arg Val Arg Ser His Leu Ala Ala
219          195          200          205
221 Leu Trp Pro Phe Leu Gly Ile Val Ala Glu Val Leu Val Leu Val Thr
222          210          215          220
224 Ile Ile Phe Ile Tyr Glu Lys Arg Arg Lys Pro Glu Asp Val Leu Asp
225 225          230          235          240
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228          245          250          255
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231          260          265
234 <210> SEQ ID NO: 15
235 <211> LENGTH: 7
236 <212> TYPE: PRT
237 <213> ORGANISM: Homo sapiens
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244 <210> SEQ ID NO: 16
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247 <213> ORGANISM: Homo sapiens
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255 <211> LENGTH: 463
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261 1 5 10 15
263 Gly Glu Phe Gly Lys Arg Pro Ala Glu Asp Met Glu Glu Glu Gln Ala
264 20 25 30
266 Phe Lys Arg Ser Arg Asn Thr Asp Glu Met Val Glu Leu Arg Ile Leu
267 35 40 45
269 Leu Gln Ser Lys Asn Ala Gly Ala Val Ile Gly Lys Gly Gly Lys Asn
270 50 55 60
272 Ile Lys Ala Leu Arg Thr Asp Tyr Asn Ala Ser Val Ser Val Pro Asp

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273 65          70          75          80
275 Ser Ser Gly Pro Glu Arg Ile Leu Ser Ile Ser Ala Asp Ile Glu Thr
276          85          90          95
278 Ile Gly Glu Ile Leu Lys Lys Ile Ile Pro Thr Leu Glu Glu Gly Leu
279          100          105          110
281 Gln Leu Pro Ser Pro Thr Ala Thr Ser Gln Leu Pro Leu Glu Ser Asp
282          115          120          125
284 Ala Val Glu Cys Leu Asn Tyr Gln His Tyr Lys Gly Ser Asp Phe Asp
285          130          135          140
287 Cys Glu Leu Arg Leu Leu Ile His Gln Ser Leu Ala Gly Gly Ile Ile
288 145          150          155          160
290 Gly Val Lys Gly Ala Lys Ile Lys Glu Leu Arg Glu Asn Thr Gln Thr
291          165          170          175
293 Thr Ile Lys Leu Phe Gln Glu Cys Cys Pro His Ser Thr Asp Arg Val
294          180          185          190
296 Val Leu Ile Gly Gly Lys Pro Asp Arg Val Val Glu Cys Ile Lys Ile
297          195          200          205
299 Ile Leu Asp Leu Ile Ser Glu Ser Pro Ile Lys Gly Arg Ala Gln Pro
300          210          215          220
302 Tyr Asp Pro Asn Phe Tyr Asp Glu Thr Tyr Asp Tyr Gly Gly Phe Thr
303 225          230          235          240
305 Met Met Phe Asp Asp Arg Arg Gly Arg Pro Val Gly Phe Pro Met Arg
306          245          250          255
308 Gly Arg Gly Gly Phe Asp Arg Met Pro Pro Gly Arg Gly Gly Arg Pro
309          260          265          270
311 Met Pro Pro Ser Arg Arg Asp Tyr Asp Asp Met Ser Pro Arg Arg Gly
312          275          280          285
314 Pro Pro Pro Pro Pro Pro Gly Arg Gly Gly Arg Gly Gly Ser Arg Ala
315          290          295          300
317 Arg Asn Leu Pro Leu Pro Pro Pro Pro Pro Pro Arg Gly Gly Asp Leu
318 305          310          315          320
320 Met Ala Tyr Asp Arg Arg Gly Arg Pro Gly Asp Arg Tyr Asp Gly Met
321          325          330          335
323 Val Gly Phe Ser Ala Asp Glu Thr Trp Asp Ser Ala Ile Asp Thr Trp
324          340          345          350
326 Ser Pro Ser Glu Trp Gln Met Ala Tyr Glu Pro Gln Gly Gly Ser Gly
327          355          360          365
329 Tyr Asp Tyr Ser Tyr Ala Gly Gly Arg Gly Ser Tyr Gly Asp Leu Gly
330          370          375          380
332 Gly Pro Ile Ile Thr Thr Gln Val Thr Ile Pro Lys Asp Leu Ala Gly
333 385          390          395          400
335 Ser Ile Ile Gly Lys Gly Gly Gln Arg Ile Lys Gln Ile Arg His Glu
336          405          410          415
338 Ser Gly Ala Ser Ile Lys Ile Asp Glu Pro Leu Glu Gly Ser Glu Asp
339          420          425          430
341 Arg Ile Ile Thr Ile Thr Gly Thr Gln Asp Gln Ile Gln Asn Ala Gln
342          435          440          445
344 Tyr Leu Leu Gln Asn Ser Val Lys Gln Tyr Ser Gly Lys Phe Phe
345          450          455          460

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 2 /
Seq#:13; Xaa Pos. 2 /
Seq#:23; Xaa Pos. 150
Seq#:30; Xaa Pos. 140
Seq#:31; Xaa Pos. 147,151
Seq#:62; N Pos. 234

VERIFICATION SUMMARY

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Input Set : A:\Abxcblcd.app

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L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:144
L:901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:128
L:951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:144
L:1591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:180